

**SITE INSPECTION REPORT FOR  
BORDEN CHEMICAL - INK DIVISION  
VANCOUVER, WASHINGTON**

**TDD F10-8709-15**

**Report Prepared by: Ecology and Environment, Inc.  
Date: December 1987**

**Submitted to: J.E. Osborn, Regional Project Officer  
Field Operations and Technical Support Branch  
U.S. Environmental Protection Agency  
Region X  
Seattle, Washington**

**USEPA SF**



**1578455**



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## ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

### MEMORANDUM

DATE: December 28, 1987

TO: John Osborn, FIT-RPO, USEPA, Region X

THRU: <sup>for</sup> David Buecker, FIT-OM, E&E, Seattle <sup>mt</sup>

FROM: Lynn Guilford, FIT-SM, E&E, Seattle <sup>LYG</sup>

SUBJ: Final Site Inspection Report for  
Borden Chemical - Ink Division  
Vancouver, Washington

REF: TDD F10-8709-15

CC: William Glasser, HWD-SM, USEPA, Region X  
George Brooks, FIT-PM, E&E, Seattle (memo only)  
Thomas Tobin, E&E, Seattle (memo only)

Enclosed are the Trip Report, Site Inspection Report Form (2070-13), and Photo Documentation for the site inspection at the Borden Chemical - Ink Division Site conducted by Ecology and Environment, Inc. (E&E) under U.S. Environmental Protection Agency (USEPA) Technical Directive Document (TDD) No. F10-8709-15.

In accordance with USEPA Region X Interim Regional Policy of June 1987, a preliminary HRS score was developed for this site. A preliminary score of 17.79 was obtained, based on the following information:

- o an unknown quantity of solvents were the only known hazardous wastes generated on site;
- o ground water near the site is approximately 50 feet deep;
- o wastes can infiltrate ground water from the septic tank;
- o approximately 115,300 people use ground water from all of the aquifers near the site and for the purpose of obtaining a maximum HRS score it was assumed that ground water is hydraulically connected within three miles of the site; and
- o the nearest continuous body of water downgradient of the site is located approximately three miles west of the site.



Final Site Inspection Report for  
Borden Chemical - Ink Division  
Page 2

No further action under Superfund should be conducted at this site for the following reasons:

- o the following two factors combine to produce a low HRS score: the hazardous waste quantity is unknown, and there are only intermittent surface water streams within three miles downstream; and
- o if any chemical wastes were deposited in the septic system, they may have dispersed in the past seven years.

LG:neg

Enclosures





# ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

## MEMORANDUM

DATE: December 1, 1987

TO: John Osborn, FIT-RPO, USEPA, Region X

THRU: <sup>for</sup> David Buecker, FIT-OM, E&E, Seattle *DAT*

FROM: Lynn Guilford, FIT-SM, E&E, Seattle *LGG*

SUBJ: Trip Report  
Borden Chemical, Ink Division  
Vancouver, Washington

REF: TDD F10-8709-15

CC: William Glasser, HWD-SM, USEPA, Region X  
George Brooks, FIT-PM, E&E, Seattle  
Thomas Tobin, E&E, Seattle

### 1. Purpose of the Site Inspection:

Under Technical Directive Document (TDD) F10-8709-15, Ecology and Environment, Inc. (E&E) conducted a file review and an on-site inspection of Borden Chemical-Ink Division, Vancouver, Washington. The objectives of the site inspection were to determine whether hazardous substances were disposed at the site and to identify and evaluate any potential environmental or public health hazards at the site. The information in this trip report is based on data derived from available files, telephone conversations, and the on-site visit. Further research of site activities may alter or enhance the information/conclusions presented below.

### 2. Persons Conducting the Site Inspection:

Lynn Guilford, E&E, Seattle  
Glenn Roberts, E&E, Seattle  
Tom Harris, Washington State Department of Ecology, Olympia  
(206) 438-3015

### 3. Date of the Inspection:

September 25, 1987

0900 - 1030 hours



4. Persons Contacted for the Site Inspection:

Thomas Russo, Grimm Enterprises (206) 693-8888  
Trudie Patterson, Grimm Enterprises (206) 693-8888  
Rick Springer, Borden Chemical Company (614) 225-4298  
Gerry Starkey, Borden Chemical Company (513) 782-6367

5. Information Obtained During the Site Inspection:

- o Borden Chemical-Ink Division was located in a warehouse complex owned by Grimm Enterprises. The warehouses are located on N.E. 63rd Street in Vancouver, Washington. When Borden occupied a warehouse in the complex their address was 6115 N.E. 63rd Street. According to Mr. Russo, the warehouses were renumbered and the building currently labeled as 6123 N.E. 63rd Street is the building Borden occupied.
- o A foundry was located on site prior to Grimm Enterprises owning the property. Grimm Enterprises purchased the property between 1968 and 1969. The first warehouses, including a septic system, were constructed between April 1968 and 1969. Between 1973 and 1979 or 1980 Borden Chemical-Ink Division occupied one of these warehouses. Numerous small companies have occupied warehouses in the complex. Waste types and quantities produced by these companies is unknown.
- o Borden Chemical-Ink Division primarily blended ink for use on milk cartons. The ink was a nitro-cellulose based film with a shellac resin and methyl alcohol. The pigments were non-heavy metal based. Mr. Starkey was not sure whether there was a machine for blending the inks or not.
- o According to Mr. Springer not more than one drum per week of waste solvents was generated. The drums may have been hauled off by Vancouver Sanitary Service. Information from other ink manufactures indicates most of the waste solvents would have been generated from cleaning rollers used to homogenize and remove air from inks. The EPA file states that wastes may have been discharged to the septic system.
- o Unblended inks came from a plant in Fremont, California. The Vancouver warehouse facility primarily added pigments to the inks for a milk carton operation. In about 1980 the ink blending operation was terminated at the warehouse and probably moved into the milk carton plant located in the Vancouver area.
- o Grimm Enterprises currently receives its water from municipal wells. Sewage from the entire warehouse complex still enters a septic tank system. The location of the septic tank is not known.

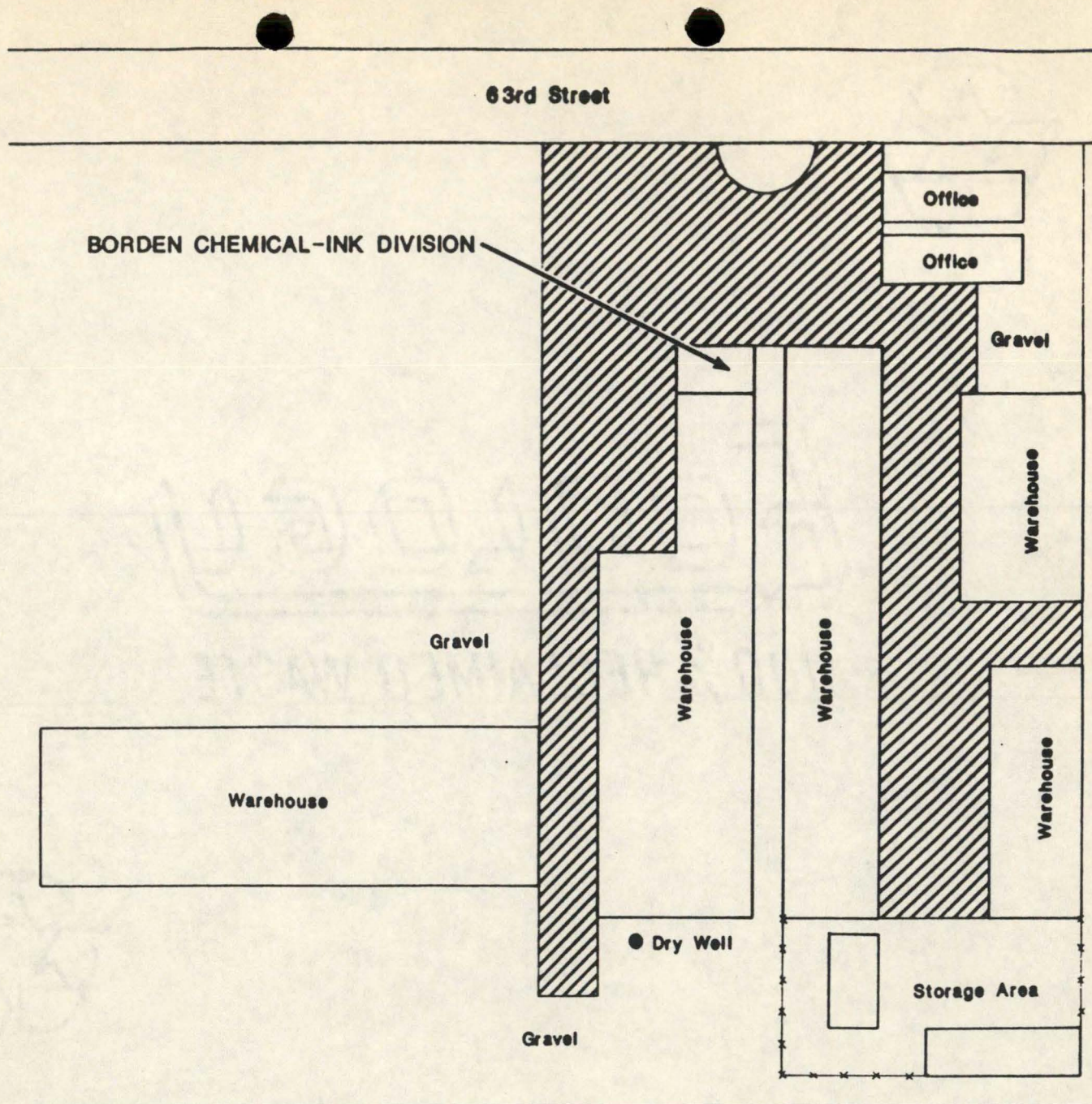


- o The total population within 3 miles of the site uses ground water as its primary drinking water source. The closest municipal wells are approximately 0.5 miles from the site. These wells serve 115,000 people, many of which are outside of a three mile radius.

6. Conclusions and Recommendations:

- o Since other pollution sources may exist or may have existed in the warehouse complex, any further investigation must consider wastes typical of ink production facilities. It may only be possible to investigate the complex as a whole.
- o If any chemical wastes were deposited in the septic system, contaminants may have dispersed over the past seven years. Since the septic system must be located in fairly permeable soils, detection of contaminants may be difficult.
- o Since waste quantities associated with Borden are small and would most likely have dispersed, no further action is recommended at this time.





ecology & environment, inc.	
Job: F10-8709-15	Waste Site: WA 0091
Drawn by: B.T.	Date: 11/11/1987

**FIGURE 1**  
**SITE MAP**  
**BORDEN CHEMICAL-INK DIVISION**  
**AND SURROUNDING WAREHOUSE**  
**COMPLEX**  
**Vancouver, WA**



I. IDENTIFICATION	
01 State WA	02 Site Number D030785364

01 Site Name (Legal, common, or descriptive name of site)		02 Street, Route No., or Specific Location Identifier				
Borden Chemical-Ink Division		6115 N.E. 63rd Street				
03 City		04 State	05 Zip Code	06 County	07 County Code	08 Cong Dist
Vancouver		WA	98661	Clark	011	04
09 Coordinates		10 Type of Ownership (Check one)				
Latitude	Longitude	<input checked="" type="checkbox"/> A. Private <input type="checkbox"/> B. Federal <input type="checkbox"/> C. State <input type="checkbox"/> D. County <input type="checkbox"/> E. Municipal				
4 5° 4 0' 0 3.0"	1 2 2° 3 6' 2 7.0"	<input type="checkbox"/> F. Other _____ <input type="checkbox"/> G. Unknown				

01 Date of Inspection  09 / 25 / 87 Month Day Year	02 Site Status <input type="checkbox"/> Active <input checked="" type="checkbox"/> Inactive	03 Years of Operation  1973      1980 Beginning Year      Ending Year      Unknown
04 Agency Performing Inspection (Check all that apply)		
<input type="checkbox"/> A. EPA	<input checked="" type="checkbox"/> B. EPA Contractor Ecology & Environment, Inc. (Name of firm)	<input type="checkbox"/> C. Municipal <input type="checkbox"/> D. Municipal Contractor (Name of firm)
<input type="checkbox"/> E. State	<input type="checkbox"/> F. State Contractor (Name of firm)	<input type="checkbox"/> G. Other _____ (Specify)

05 Chief Inspector	06 Title	07 Organization	08 Telephone No.
Lynn Guilford	Site Manager	E&E	(206) 624-9537
09 Other Inspectors	10 Title	11 Organization	12 Telephone No.
Glenn Roberts	Field Investigator	E&E	(206) 624-9537
Tom Harris	Field Investigator	Washington State Dept. of Ecology	(206) 438-3015
			( )

13 Site Representatives Interviewed	14 Title	15 Address	16 Telephone No.
Thomas Russo, Grimm Enterprises	Company Representative	6315 N.E. 63rd Vancouver, WA 98661	(206) 693-8888
Rick Springer, Borden Chemical	Company Representative	165 N. Washington Avenue Columbus, Ohio 43215	(614) 225-4298
Gerry Starkey, Borden Chemical	Company Representative	165 N. Washington Avenue Columbus, Ohio 43215	(513) 782-6367
			( )
			( )

17 Access Gained By (Check one) <input checked="" type="checkbox"/> Permission <input type="checkbox"/> Warrant	18 Time of Inspection  0930	19 Weather Conditions  Partially Cloudy and Dry
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01 Contact	02 Of (Agency/Organization)			03 Telephone No.
William Glasser	USEPA, Region X, HWD			(206) 442-7215
04 Person Responsible for Site Inspection Form	05 Agency	06 Organization	07 Telephone No.	08 Date
Lynn Guilford	EPA/FIT	E&E, Inc.	(206) 624-9537	11 / 20/ 87 Month Day Year



## I. IDENTIFICATION

01 State	02 Site Number
WA	D030785364

## II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 Physical States  
(Check all that apply)

- ☐ A. Solid               ☐ E. Slurry  
☒ B. Powder, Fines     ☒ F. Liquid  
☐ C. Sludge           ☐ G. Gas  
☐ D. Other \_\_\_\_\_  
                                (Specify)

02 Waste Quantity at Site  
(Measure of waste quantities must be independent)

Tons	Unknown
100	100
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	1000
1100	1100
1200	1200
1300	1300
1400	1400
1500	1500
1600	1600
1700	1700
1800	1800
1900	1900
2000	2000
2100	2100
2200	2200
2300	2300
2400	2400
2500	2500
2600	2600
2700	2700
2800	2800
2900	2900
3000	3000
3100	3100
3200	3200
3300	3300
3400	3400
3500	3500
3600	3600
3700	3700
3800	3800
3900	3900
4000	4000
4100	4100
4200	4200
4300	4300
4400	4400
4500	4500
4600	4600
4700	4700
4800	4800
4900	4900
5000	5000
5100	5100
5200	5200
5300	5300
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5600	5600
5700	5700
5800	5800
5900	5900
6000	6000
6100	6100
6200	6200
6300	6300
6400	6400
6500	6500
6600	6600
6700	6700
6800	6800
6900	6900
7000	7000
7100	7100
7200	7200
7300	7300
7400	7400
7500	7500
7600	7600
7700	7700
7800	7800
7900	7900
8000	8000
8100	8100
8200	8200
8300	8300
8400	8400
8500	8500
8600	8600
8700	8700
8800	8800
8900	8900
9000	9000
9100	9100
9200	9200
9300	9300
9400	9400
9500	9500
9600	9600
9700	9700
9800	9800
9900	9900
10000	10000

Cubic Yards

No. of Drums

05 Waste Characteristics (Check all that apply)

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> A. Toxic | <input type="checkbox"/> E. Soluble    | <input type="checkbox"/> I. Highly Volatile |
| <input type="checkbox"/> B. Corrosive        | <input type="checkbox"/> F. Infectious | <input type="checkbox"/> J. Explosive       |
| <input type="checkbox"/> C. Radioactive      | <input type="checkbox"/> G. Flammable  | <input type="checkbox"/> K. Reactive        |
| <input type="checkbox"/> D. Persistent       | <input type="checkbox"/> H. Ignitable  | <input type="checkbox"/> L. Incompatible    |
|  |  | <input type="checkbox"/> M. Not Applicable  |

### III. WASTE TYPE

Category	Substance Name	01 Gross Amount	02 Unit of Measure	03 Comments
SLU	Sludge			
OLW	Oily Waste			
SOL	Solvents	1	drum/week	This is a maximum quantity.
PSD	Pesticides			
OCC	Other Organic Chemicals			
IOC	Inorganic Chemicals			
ACD	Acids			
BAS	Bases			
MES	Heavy Metals			

## IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

## V. FEEDSTOCKS (See Appendix for CAS Numbers)

Category	01 Feedstock Name	02 CAS Number	Category	01 Feedstock Name	02 CAS Number
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.  
Mr. Rick Springer, Borden, Personal Communication, 10/14/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 State WA	02 Site Number D030785364
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II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. Ground Water Contamination 02 ☐ Observed (Date: \_\_\_\_\_) ☒ Potential ☐ Alleged  
03 Population Potentially Affected: 115,300 04 Narrative Description

The entire population within three miles of the site use ground water for drinking water. If contaminants were disposed of on-site, they could migrate into ground water since the unsaturated zone geologic materials are relatively permeable.

01 ☒ B. Surface Water Contamination 02 ☐ Observed (Date: \_\_\_\_\_) ☒ Potential ☐ Alleged  
03 Population Potentially Affected: \_\_\_\_\_ 04 Narrative Description

The only surface water within three miles of the site is a small marshy area behind the site and an intermittent stream. If contaminants were released, they would most likely migrate to the swampy area.

01 ☐ C. Contamination of Air 02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged  
03 Population Potentially Affected: \_\_\_\_\_ 04 Narrative Description

None reported, observed, or suspected.

01 ☐ D. Fire/Explosive Conditions 02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged  
03 Population Potentially Affected: \_\_\_\_\_ 04 Narrative Description

None reported, observed, or suspected.

01 ☐ E. Direct Contact 02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged  
03 Population Potentially Affected: \_\_\_\_\_ 04 Narrative Description

None reported, observed, or suspected.

01 ☒ F. Contamination of Soil 02 ☐ Observed (Date: \_\_\_\_\_) ☒ Potential ☐ Alleged  
03 Area Potentially Affected (Acres: \_\_\_\_\_) 04 Narrative Description

If contaminants were disposed of in the septic system on-site, the soil in the drain field would probably be affected.

01 ☒ G. Drinking Water Contamination 02 ☐ Observed (Date: \_\_\_\_\_) ☒ Potential ☐ Alleged  
03 Population Potentially Affected: 115,300 04 Narrative Description

If ground water is contaminated, domestic drinking water wells would most likely be affected. The closest City of Vancouver municipal wells are 0.5 miles from the site.

01 ☐ H. Worker Exposure/Injury 02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged  
03 Workers Potentially Affected: \_\_\_\_\_ 04 Narrative Description

None reported, observed, or suspected.

01 ☐ I. Population Exposure/Injury 02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged  
03 Population Potentially Affected: \_\_\_\_\_ 04 Narrative Description

None reported, observed, or suspected.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION  
01 State WA 02 Site Number D030785364

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. Damage to Flora  
04 Narrative Description

02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged

None reported, observed, or suspected.

01 ☐ K. Damage to Fauna  
04 Narrative Description

02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged

None reported, observed, or suspected.

01 ☐ L. Contamination of Food Chain  
04 Narrative Description

02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged

None reported, observed, or suspected.

01 ☒ M. Unstable Containment of Wastes  
(Spills/Runoff/Standing liquids, Leaking drums)  
03 Population Potentially Affected: \_\_\_\_\_

02 ☐ Observed (Date: \_\_\_\_\_) ☒ Potential ☐ Alleged

04 Narrative Description

If contaminants were disposed of in the septic system, there would be nothing to prevent them from migrating into the ground water.

01 ☐ N. Damage to Offsite Property  
04 Narrative Description

02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged

None reported, observed, or suspected.

01 ☐ O. Contamination of Sewers, Storm/Drains, WWTPs  
04 Narrative Description

02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged

None reported, observed, or suspected.

01 ☐ P. Illegal/Unauthorized Dumping  
04 Narrative Description

02 ☐ Observed (Date: \_\_\_\_\_) ☐ Potential ☐ Alleged

None reported, observed, or suspected.

05 Description of Any Other Known, Potential, or Alleged Hazards

None.

III. TOTAL POPULATION POTENTIALLY AFFECTED:

IV. COMMENTS

EPA site file states that wastes may have been disposed of in the septic system. Borden did not know whether this information was correct.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.  
Mr. Rick Springer, Borden, Personal Communication, 10/14/87.  
Mr. Gerry Starkey, Borden, Personal Communication, 10/30/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 State WA	02 Site Number D030785364
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II. PERMIT INFORMATION

01 Type of Permit Issued (Check all that apply) NONE	02 Permit Number	03 Date Issued	04 Expiration Date	05 Comments
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. Local (Specify)				
<input type="checkbox"/> I. Other (Specify)				
<input checked="" type="checkbox"/> J. None				

III. SITE DESCRIPTION

01 Storage/Disposal (Check all that apply)	02 Amount	03 Unit of Measure	04 Treatment (Check all that apply)	05 Other
<input type="checkbox"/> A. Surface Impoundment			<input type="checkbox"/> A. Incineration	<input checked="" type="checkbox"/> A. Buildings On Site
<input type="checkbox"/> B. Piles			<input type="checkbox"/> B. Underground Injection	
<input type="checkbox"/> C. Drums, Above Ground			<input type="checkbox"/> C. Chemical/Physical	
<input type="checkbox"/> D. Tank, Above Ground			<input type="checkbox"/> D. Biological	1
<input type="checkbox"/> E. Tank, Below Ground			<input type="checkbox"/> E. Waste Oil Processing	06 Area of Site
<input type="checkbox"/> F. Landfill			<input type="checkbox"/> F. Solvent Recovery	
<input type="checkbox"/> G. Landfarm			<input type="checkbox"/> G. Other Recycling/Recovery	< 1 acres
<input type="checkbox"/> H. Open Dump			<input type="checkbox"/> H. Other (Specify)	
<input type="checkbox"/> I. Other (Specify)				

07 Comments

The methods of waste disposal are unknown. Mr. Springer said Vancouver Sanitary Service may have hauled off some of their wastes.

IV. CONTAINMENT

01 Containment of Wastes (Check one) UNKNOWN  
☐ A. Adequate, Secure ☐ B. Moderate ☐ C. Inadequate, Poor ☐ D. Insecure, Unsound, Dangerous

02 Description of Drums, Diking, Liners, Barriers, etc.

The company no longer operates at this site. The warehouse that Borden occupied has been rented to another tenant. Wastes may have been disposed of in the septic system, but this is unknown.

V. ACCESSIBILITY

01 Waste Easily Accessible: ☐ Yes ☒ No  
 02 Comments - It is unknown if any wastes are present on site.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.  
 Mr. Rick Springer, Borden, Personal Communication, 10/14/87.



**POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA**

**I. IDENTIFICATION**

01 State WA	02 Site Number D030785364
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**II. DRINKING WATER SUPPLY**

01 Type of Drinking Supply (Check as applicable)		02 Status			03 Distance to Site	
Community	SURFACE A. <input type="checkbox"/>	WELL B. <input checked="" type="checkbox"/>	ENDANGERED A. <input type="checkbox"/>	AFFECTED B. <input type="checkbox"/>	MONITORED C. <input checked="" type="checkbox"/>	A. <u>.5</u> (mi)
Non-Community	C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>	B. <u>.2</u> (mi)

**III. GROUNDWATER**

01 Groundwater Use in Vicinity (Check one)				
<input checked="" type="checkbox"/> A. Only Source for Drinking		<input type="checkbox"/> B. Drinking (Other sources available) Commercial, Industrial, Irrigation (No other water sources available)		<input type="checkbox"/> C. Commercial, Industrial, Irrigation (Limited other sources available)
				<input type="checkbox"/> D. Not Used, Unusable
02 Population Served by Ground Water <u>115,300</u> (public listings)		03 Distance to Nearest Drinking Water Well <u>.2</u> (mi)		
04 Depth to Ground Water <u>approx. 50</u> (ft)	05 Direction of Ground Water Flow <u>approx. Southwest</u>	06 Depth to Aquifer of Concern <u>approx. 200</u> (ft)	07 Potential Yield of Aquifer <u>N/A</u> (gpd)	08 Sole Source Aquifer <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

09 Description of Wells (Including usage, depth, and location relative to population and buildings)  
  
21 municipal wells within 3 miles are part of a system serving approximately 115,000 people. The wells are 200 feet in depth. Also, numerous domestic wells drawing water from shallower aquifer from approximately 30 feet to 70 feet below ground surface, and from the deeper aquifer which the municipal wells draw.

10 Recharge Area	11 Discharge Area
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments - Locally recharges several acres around site.	Comments

**IV. SURFACE WATER**

01 Surface Water (Check one)			
<input type="checkbox"/> A. Reservoir, Recreation Drinking Water Source	<input type="checkbox"/> B. Irrigation, Economically Important Resources	<input type="checkbox"/> C. Commercial, Industrial	<input checked="" type="checkbox"/> D. Not Currently Used
02 Affected/Potentially Affected Bodies of Water			
Name:	Affected	Distance to Site	
<u>Unnamed Pond</u>	<input type="checkbox"/>	<u>500 feet</u> (ft)	
<u>Cold Canyon Creek</u>	<input type="checkbox"/>	<u>.2</u> (mi)	
<u>Burnt Bridge Creek</u>	<input type="checkbox"/>	<u>3</u> (mi)	

**V. DEMOGRAPHIC AND PROPERTY INFORMATION**

01 Total Population Within			02 Distance to Nearest Population
One (1) Mile of Site A. <u>4,400</u> No. of Persons	Two (2) Miles of Site B. <u>15,500</u> No. of Persons	Three (3) Miles of Site C. <u>42,800</u> No. of Persons	<u>200</u> (ft)
03 Number of Buildings Within Two (2) Miles of Site <u>4,453</u>	04 Distance to Nearest Off-Site Building <u>200</u> (ft)		

05 Population Within Vicinity of Site (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The site is part of a warehouse complex. Immediately behind the site is a marshy area. Across the marshy area, about 500 feet from the site, is a residential area. Within about 1/4 mile radius of the site, the area varies from a semi-rural to suburban setting. Approximately 1.2 miles from the site are commercial and light industrial areas.



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POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

## I. IDENTIFICATION

01 State WA	02 Site Number D030785364
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## VI. ENVIRONMENTAL INFORMATION

01 Permeability of Unsaturated Zone (Check one)

☐ A.  $10^{-6}$  -  $10^{-8}$  cm/sec ☐ B.  $10^{-4}$  -  $10^{-6}$  cm/sec ☒ C.  $10^{-4}$  -  $10^{-3}$  cm/sec ☐ D. Greater Than  $10^{-3}$  cm/sec

02 Permeability of Bedrock (Check one) UNKNOWN

☐ A. Impermeable  
(Less than  $10^{-6}$  cm/sec) ☐ B. Relatively Impermeable  
( $10^{-4}$  -  $10^{-6}$  cm/sec) ☐ C. Relatively Permeable  
( $10^{-2}$  -  $10^{-4}$  cm/sec) ☐ D. Very Permeable  
(Greater Than  $10^{-2}$  cm/sec)

03 Depth to Bedrock

&gt; 225 (ft)

04 Depth of Contaminated Soil Zone

Unknown (ft)

05 Soil pH

Unknown

06 Net Precipitation

15 (in)

07 One Year 24 Hour Rainfall

2.8 (in)

08 Slope

Site Slope

2 %

Direction of Site Slope

Southwest

Terrain Average Slope

3 %

09 Flood Potential

Site is in N/A Year Floodplain

10 N/A

☐ Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway

11 Distance to Wetlands (5 acre minimum)

ESTUARINE

OTHER

A. &gt; 3 (mi)

B. &gt; 3 (mi)

12 Distance to Critical Habitat (of endangered species)

&gt; 3 (mi)

Endangered Species: \_\_\_\_\_

13 Land Use in Vicinity

Distance to:

COMMERCIAL/INDUSTRIAL

A. 1.2 (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,  
FORESTS, OR WILDLIFE RESERVES

B. .1 (mi)

AGRICULTURAL LANDS  
PRIME AG LAND

C. &gt; 3 (mi) D. 1/2 (mi)

AG LAND

14 Description of Site in Relation to Surrounding Topography

The site is located on gently rolling terrain. Downgradient to the south of the site is a marshy area with a small pond. It appears that the natural drainage from the marshy area moves northeast to an intermittent stream which drains west, eventually entering Burnt Bridge Creek approximately 3 miles away from the site.

## VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Logs of Municipal Wells, City of Vancouver.

Washington State Well Drillers Logs.

U.S.G.S. 1961 Orchards, Washington Quadrangle Map, 7.5 Minute Series, Photo Revised, 1975.

E&amp;E Site Inspection, 09/25/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 State WA	02 Site Number D030785364
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II. SAMPLES TAKEN

Sample Type	01 Number of Samples Taken	02 Samples Sent To	03 Estimated Date Results Available
Ground Water			
Surface Water			
Waste			
Air			
Runoff			
Spill			
Soil			
Vegetation			
Other			

III. FIELD MEASUREMENTS TAKEN

01 Type	02 Comments

IV. PHOTOGRAPHS AND MAPS

01 Type	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> Aerial	02 In Custody of <u>USEPA</u> (Name of organization or individual)
03 Maps	04 Location of Maps	
<input type="checkbox"/> Yes		
<input checked="" type="checkbox"/> No		

V. OTHER FIELD DATA COLLECTED (provide narrative description of sampling activities)

A walk-through inspection was made on 09/25/87. Photographs were taken. No samples or field measurements were collected at that time, since waste quantities associated with Borden are probably small and would most likely have dispersed.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 State WA	02 Site Number D030785364
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II. CURRENT OWNER(S)			PARENT COMPANY (If applicable)		
01 Name Grimm Enterprises	02 D+B Number		08 Name	09 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.) 6315 N.E. 63rd Street	04 SIC Code		10 Street Address (P.O. Box, RFD #, etc.)	11 SIC Code	
05 City Vancouver	06 State WA	07 Zip Code 98661	12 City	13 State	14 Zip Code
01 Name	02 D+B Number		08 Name	09 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code		10 Street Address (P.O. Box, RFD #, etc.)	11 SIC Code	
05 City	06 State	07 Zip Code	12 City	13 State	14 Zip Code
01 Name	02 D+B Number		08 Name	09 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code		10 Street Address (P.O. Box, RFD #, etc.)	11 SIC Code	
05 City	06 State	07 Zip Code	12 City	13 State	14 Zip Code
III. PREVIOUS OWNER(S) (List most recent first)			IV. REALTY OWNER(S) (If applicable, list most recent first)		
01 Name Unknown	02 D+B Number		01 Name Grimm Enterprises	02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.) 6315 N.E. 63rd Street	04 SIC Code	
05 City	06 State	07 Zip Code	05 City Vancouver	06 State WA	07 Zip Code 98661
01 Name	02 D+B Number		01 Name	02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code
01 Name	02 D+B Number		01 Name	02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.)	04 SIC Code	
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code
V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)					

E&E Site Inspection, 09/25/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 State WA	02 Site Number D030785364

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)			
01 Name		02 D+B Number		10 Name		11 D+B Number	
03 Street Address (P.O. Box, R#D #, etc.)		04 SIC Code		12 Street Address (P.O. Box, R#D #, etc.)		13 SIC Code	
05 City		06 State	07 Zip Code	14 City		15 State	16 Zip Code
08 Years of Operation		09 Name of Owner					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)			
01 Name		02 D+B Number		10 Name		11 D+B Number	
Borden Chemical - Ink Division							
03 Street Address (P.O. Box, R#D #, etc.)		04 SIC Code		12 Street Address (P.O. Box, R#D #, etc.)		13 SIC Code	
6115 N.E. 63rd Street							
05 City		06 State	07 Zip Code	14 City		15 State	16 Zip Code
Vancouver		WA	98661				
08 Years of Operation		09 Name of Owner During This Period					
1970 - 1980		Grimm Enterprises					
01 Name		02 D+B Number		10 Name		11 D+B Number	
03 Street Address (P.O. Box, R#D #, etc.)		04 SIC Code		12 Street Address (P.O. Box, R#D #, etc.)		13 SIC Code	
05 City		06 State	07 Zip Code	14 City		15 State	16 Zip Code
08 Years of Operation		09 Name of Owner During This Period					
01 Name		02 D+B Number		10 Name		11 D+B Number	
03 Street Address (P.O. Box, R#D #, etc.)		04 SIC Code		12 Street Address (P.O. Box, R#D #, etc.)		13 SIC Code	
05 City		06 State	07 Zip Code	14 City		15 State	16 Zip Code
08 Years of Operation		09 Name of Owner During This Period					

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 State WA	02 Site Number D030785364

II. ON-SITE GENERATOR

01 Name None		02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	
05 City	06 State	07 Zip Code	

III. OFF-SITE GENERATOR

01 Name None		02 D+B Number		01 Name		02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	
05 City	06 State	07 Zip Code		05 City	06 State	07 Zip Code	
01 Name		02 D+B Number		01 Name		02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	
05 City	06 State	07 Zip Code		05 City	06 State	07 Zip Code	

IV. TRANSPORTER(S)

01 Name Unknown		02 D+B Number		01 Name		02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	
05 City	06 State	07 Zip Code		05 City	06 State	07 Zip Code	
01 Name		02 D+B Number		01 Name		02 D+B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code		03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	
05 City	06 State	07 Zip Code		05 City	06 State	07 Zip Code	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 State WA	02 Site Number D030785364

II. PAST RESPONSE ACTIVITIES

01 ☐ A. Water Supply Closed  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ B. Temporary Water Supply Provided  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ C. Permanent Water Supply Provided  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ D. Spilled Material Removed  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ E. Contaminated Soil Removed  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ F. Waste Repackaged  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ G. Waste Disposed Elsewhere  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ H. On Site Burial  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ I. In Situ Chemical Treatment  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ J. In Situ Biological Treatment  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ K. In Situ Physical Treatment  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ L. Encapsulation  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ M. Emergency Waste Treatment  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ N. Cutoff Walls  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ O. Emergency Diking/Surface Water Diversion  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ P. Cutoff Trenches/Sump  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_

01 ☐ Q. Subsurface Cutoff Wall  
04 Description

None.

02 Date \_\_\_\_\_

03 Agency \_\_\_\_\_



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 State WA	02 Site Number D030785364
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II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. Barrier Walls Constructed

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ S. Capping/Covering

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ T. Bulk Tankage Repaired

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ U. Grout Curtain Constructed

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ V. Bottom Sealed

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ W. Gas Control

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ X. Fire Control

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ Y. Leachate Treatment

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ Z. Area Evacuated

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ 1. Access to Site Restricted

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ 2. Population Relocated

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

01 ☐ 3. Other Remedial Activities

02 Date \_\_\_\_\_ 03 Agency \_\_\_\_\_

04 Description

None.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

U1 State WA	U2 Site Number D030785364
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II. ENFORCEMENT INFORMATION

01 Past Regulatory/Enforcement Action ☐ Yes ☒ No

02 Description of Federal, State, Local Regulatory/Enforcement Action

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 09/25/87.



## Page 1 of 1

TDD NO.: F10-8709-15  
SITE NAME: Borden Chemical - Ink Division

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